AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of claims:

- 1-19. (canceled).
- 20. (previously presented) An isolated polynucleotide encoding an aldehyde oxidase enzyme, wherein said enzyme oxidizes an aldehyde compound to a carboxylic acid, and wherein said polynucleotide has a sequence selected from the group consisting of:
- (a) a nucleotide sequence encoding the amino acid sequence of SEQ ID NO: 2;
 - (b) the nucleotide sequence of SEQ ID NO: 1;
- (c) a nucleotide sequence encoding the amino acid sequence of SEQ ID NO: 4;
- (d) the nucleotide sequence of SEQ ID NO: 3 and(e) a maize nucleotide sequence of about 4.4 Kbp.
- 21. (previously presented) The isolated polynucleotide according to claim 20, wherein the aldehyde compound is indoleacetaldehyde and the carboxylic acid is indoleacetic acid.

- 22. (previously presented) A plasmid comprising a polynucleotide encoding an aldehyde oxidase enzyme, wherein said enzyme oxidizes an aldehyde compound to a carboxylic acid, and wherein said polynucleotide has a sequence selected from the group consisting of:
- (a) a nucleotide sequence encoding the amino acid sequence of SEQ ID NO: 2;
 - (b) the nucleotide sequence of SEQ ID NO: 1;
- (c) a nucleotide sequence encoding the amino acid sequence of SEQ ID NO: 4;
 - (d) the nucleotide sequence of SEQ ID NO: 3 and
 - (e) a maize nucleotide sequence of about 4.4 Kbp.
- 23. (previously presented) A transformed host cell comprising the plasmid according to claim 22.
- 24. (previously presented) The transformed host cell according to claim 23, wherein the host cell is a microorganism.
- 25. (previously presented) The transformed host cell according to claim 23, wherein the host cell is a plant cell.

- 26. (previously presented) A process of constructing an expression plasmid which comprises ligating in a functional manner
- (1) a promoter capable of functioning in a plant cell upstream from,
- (2) a polynucleotide encoding an aldehyde oxidase enzyme, wherein said enzyme oxidizes an aldehyde compound to a carboxylic acid, and wherein said polynucleotide has a sequence selected from the group consisting of:
 - (a) a nucleotide sequence encoding the amino acid sequence of SEQ ID NO: 2;
 - (b) the nucleotide sequence of SEQ ID NO: 1;
 - (c) a nucleotide sequence encoding the amino acid sequence of SEQ ID NO: 4;
 - (d) the nucleotide sequence of SEQ ID NO: 3 and
 - (e) a maize nucleotide sequence of about 4.4 Kbp, and
- (3) a terminator functional in a plant downstream from the polynucleotide of (2).
- 27. (previously presented) An expression plasmid
 comprising:
 - (1) a promoter capable of functioning in a plant cell,

- (2) a polynucleotide encoding an aldehyde oxidase enzyme, wherein said enzyme oxidizes an aldehyde compound to a carboxylic acid, and wherein said polynucleotide has a sequence selected from the group consisting of:
 - (a) a nucleotide sequence encoding the amino acid sequence of SEQ ID NO: 2;
 - (b) the nucleotide sequence of SEQ ID NO: 1;
 - (c) a nucleotide sequence encoding the amino acid sequence of SEQ ID NO: 4;
 - (d) the nucleotide sequence of SEQ ID NO: 3 and
 - (e) a maize nucleotide sequence of about 4.4 Kbp, and
- (3) a terminator capable of functioning in a plant which are ligated in a functional manner and in the order described above.
- 28. (previously presented) A process for producing aldehyde oxidase in a transformed host cell which comprises introducing into a host cell an expression plasmid comprising:
 - (1) a promoter functional in a plant cell upstream from,
- (2) a polynucleotide encoding an aldehyde oxidase enzyme wherein said enzyme oxidizes an aldehyde compound to a

carboxylic acid, and wherein said polynucleotide has a sequence selected from the group consisting of:

- (a) a nucleotide sequence encoding the amino acid sequence of SEQ ID NO: 2;
 - (b) the nucleotide sequence of SEQ ID NO: 1;
- (c) a nucleotide sequence encoding the amino acid sequence of SEQ ID NO: 4;
 - (d) the nucleotide sequence of SEQ ID NO: 3 and
 - (e) a maize nucleotide sequence of about 4.4 Kbp, and
- (3) a terminator functional in a plant and downstream from the polynucleotide of (2), which are ligated in a functional manner to transform said host cell whereby the production of aldehyde oxidase of the transformed host cell is controlled.
- 29. (previously presented) The process according to claim 28, wherein the host cell is a plant cell.
 - 30. (canceled).
- 31. (previously presented) An isolated polynucletide encoding an aldehyde oxidase enzyme comprising the amino acid sequence of SEQ ID NO: 2.

- 32. (previously presented) An isolated polynucletide encoding an aldehyde oxidase enzyme comprising the amino acid sequence of SEQ ID NO: 4.
- 33. (currently amended) $\frac{Am}{An}$ isolated polynucleotide encoding an aldehyde oxidase enzyme, wherein said polynucleotide has the nucleotide sequence of SEQ ID NO: 1 or SEQ ID NO: 3.